

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : FANUC LTD

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(54) LIQUID-COOLED MOTOR AND ITS JACKET

(57)Abstract:

PURPOSE: To improve the reliability on the leakage of a liquid-cooled motor, and reduce the manhour in assembling, and improve the cooling efficiency.

CONSTITUTION: This is of such a structure that a casing 1, a front housing 4, and a rear housing 5 are fastened and tied by a tie bolt 10, and the casing 1 to become the jacket for cooling a stator is made an extrusion-molding material of aluminum alloy, and it is made together with a liquid-cooled pipe 2 and a lightening hole 11. The lightening hole 11 is used as a through hole, and a cooling fin 12 is provided in the pipe 2 for cooling liquid.

